

Converting Colors

XYZ(46.2456, 56.5286, 8.5512)

Have a look what the booklet for
XYZ(46.2456, 56.5286, 8.5512)
contains.

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Color

**XYZ(46.1751, 56.5667,
8.5709)**

Conversions

Conversions Part 1

Format	Color
Hex	C9CE03
RGB	201, 206, 3
RGB Percent	79%, 81%, 1%
CMY	0.2118, 0.1921, 0.9881
CMYK	0.02, 0.00, 0.99, 0.19
HSL	61°, 97%, 41%
HSV	61°, 99%, 81%
XYZ	46.1751, 56.5667, 8.5709
YIQ	181.3630, 62.1830, -64.1930

Conversions

Conversions Part 2

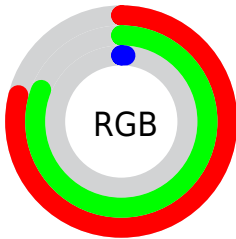
Format	Color
R _Y B	3, 206, 8
Decimal	13225475
CIE Lab	79.94, -20.45, 79.69
CIE LCh	80, 82.274, 104.395
Yxy	56.5667, 0.4148, 0.5082
Android (android.graphics.Color)	4291415555 (0xFFC9CE03)
YUV	181.3630, -87.9330, 17.2216
Hunter-Lab	75.2108, -22.0303, 45.8910

Details

The XYZ color **46.1751, 56.5667, 8.5709** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **11.2746, 4.5740, 58.6847**, and the grayscale version is **44.5586, 46.8791, 51.0513**.

A 20% lighter version of the original color is **78.6797, 93.4519, 22.6953**, and **22.3836, 28.2073, 4.2648** is the 20% darker color. If you saturate the color by 10%, you get **46.1398, 56.5524, 8.4839**, and if you desaturate by 10%, it is **46.4576, 56.6976, 9.3390**.

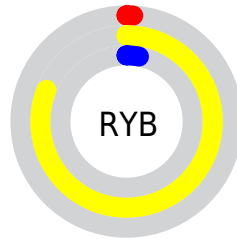
Distribution



Red (79%)

Green (81%)

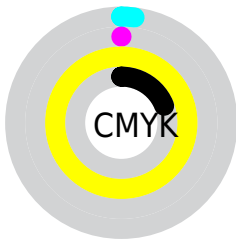
Blue (1%)



Red (1%)

Yellow (81%)

Blue (3%)

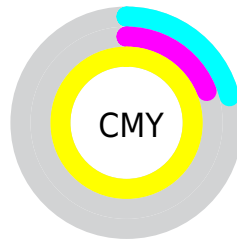


Cyan (2%)

Magenta (0%)

Yellow (99%)

Black (19%)



Cyan (21%)

Magenta (19%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1751, 56.5667, 8.5709 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 46.1751, 56.5667, 8.5709 by changing the saturation by 10% instead.

■ 46.1751, 56.5667,
8.5709

■ 46.1751, 56.5667,
8.5709

362.2163,
411.8237, 190.2424

■ 32.5892, 40.6575,
4.3694

■ 83.7072, 99.8327,
23.6346

■ 21.9697, 28.0515,
1.8301

■ 108.3842,
127.9582, 35.3340

■ 13.9511, 18.3645,
0.4477

■ 137.4890,
160.9246, 50.3697

■ 8.1681, 11.2120,
0.0000

■ 171.3868,
199.1163, 69.1603

■ 4.2554, 6.2096,
0.0000

■ 210.4431,
242.9176, 92.1243

■ 1.8476, 2.9730,
0.0000

■ 255.0232,

■ 0.5461, 1.1176,

292.7131, 119.6803

0.0000

305.4925,
348.8869, 152.2468

■ 0.0000, 0.0000,
0.0000

■ 46.1751, 56.5667,
8.5709

■ 46.1751, 56.5667,
8.5709

■ 46.1398, 56.5524,
8.4839

■ 46.4576, 56.6976,
9.3390

■ 46.8928, 56.8876,
10.9140

■ 47.5208, 57.1547,
13.5019

■ 48.3665, 57.5089,
17.2345

■ 49.4514, 57.9589,
22.2238

■ 50.7941, 58.5121,
28.5684

■ 52.4115, 59.1751,
36.3572

■ 54.3191, 59.9543,
45.6715

■ 56.5311, 60.8554,
56.5866

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.8684, 56.5667, 8.7066



46.1751, 56.5667, 8.5709



34.2937, 56.5667, 16.4950

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.1751, 56.5667, 8.5709



33.9396, 56.5667, 150.8609



90.9752, 56.5667, 89.7720

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



46.1751, 56.5667, 8.5709



11.2746, 4.5740, 58.6847

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.4864, 56.5667, 153.3705



46.1751, 56.5667, 8.5709



45.5857, 56.5667, 199.2923

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.1751, 56.5667, 8.5709



28.2862, 56.5667, 87.3815



62.1440, 56.5667, 200.3942



91.2247, 56.5667, 41.4521

Rectangle

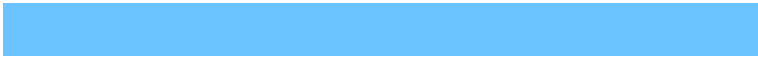
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.1751, 56.5667, 8.5709



29.7068, 56.5667, 29.7979



62.1440, 56.5667, 200.3942



88.2082, 56.5667, 110.4623

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



46.1764, 56.5693, 8.5721



84.3954, 95.6584, 56.3990



25.5413, 13.2683, 1.3017



17.8205, 20.3750, 10.8966



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.1764, 56.5693, 8.5721



74.7238, 91.6066, 13.7435



27.4708, 46.9263, 7.6967



12.1254, 13.0821, 11.9654



28.4225, 34.8276, 5.2244



1.4751, 1.8013, 0.2699

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



11.2746, 4.5740, 58.6847



18.1287, 7.2606, 95.0537



17.3460, 7.7039, 58.9689



10.6269, 10.8570, 14.1059



6.9112, 2.7704, 36.1267



0.3657, 0.1476, 1.8642

Previews

White Background



This preview shows how the XYZ color 46.1751, 56.5667, 8.5709 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 46.1751, 56.5667, 8.5709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.1751, 56.5667, 8.5709

Background



This preview shows how black text looks on a background with the XYZ color 46.1751, 56.5667, 8.5709.

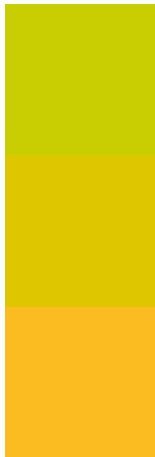


This preview shows how white text looks on a background with the XYZ color 46.1751, 56.5667,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

46.1751, 56.5667, 8.5709

Protanopia

50.8548, 56.5348, 8.2320

Deuteranopia

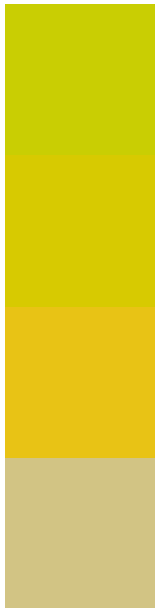
57.6683, 56.3947, 9.2123



Tritanopia

57.7957, 56.1649, 66.1873

Trichromacy



Original Color

46.1751, 56.5667, 8.5709

Protanomaly

49.1503, 56.6903, 8.3805

Deuteranomaly

52.9292, 56.2402, 8.7752

Tritanomaly

50.4831, 54.8474, 29.7557

Monochromacy



Original Color

46.1751, 56.5667, 8.5709

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.3049, 48.7792, 23.7086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1751, 56.5667, 8.5709 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(201, 206, 3)` looks like.

```
.text, #text, p{  
    color:rgb(201, 206, 3)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(201, 206, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 206, 3) }
```

Border

The CSS property to change the border of an element to XYZ 46.1751, 56.5667, 8.5709 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(201, 206, 3) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(201, 206, 3) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(201, 206, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 206, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 206, 3);  
box-shadow:4px 4px 4px 4px rgb(201, 206,  
3) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1751, 56.5667, 8.5709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 206, 3) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(201,  
206, 3) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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